

SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.

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HILLMAN, Jennifer L.
GORGONE, Gina
CORLEY, Neil C.
PATTERSON, Chandra
YUE, Henry
TANG, Y. Tom
AZIMZAI, Yalda

<120> HUMAN SOCS PROTEINS

<130> PF-0525 PCT

<140> To Be Assigned

<141> Herewith

<150> 60/087,104; 09/216,006

<151> 1998-05-28; 1998-12-17

<160> 18

<170> PERL Program

<210> 1

<211> 288

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte clone 1758450

<400> 1

Met	Ser	Ser	Ser	Met	Trp	Tyr	Ile	Met	Gln	Ser	Ile	Gln	Ser	Lys	
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1															
Tyr	Ser	Leu	Ser	Glu	Arg	Leu	Ile	Arg	Thr	Ile	Ala	Ala	Ile	Arg	
				20				25						30	
Ser	Phe	Pro	His	Asp	Asn	Val	Glu	Asp	Leu	Ile	Arg	Gly	Gly	Ala	
				35				40						45	
Asp	Val	Asn	Cys	Thr	His	Gly	Thr	Leu	Lys	Pro	Leu	His	Cys	Ala	
				50				55						60	
Cys	Met	Val	Ser	Asp	Ala	Asp	Cys	Val	Glu	Leu	Leu	Leu	Glu	Lys	
				65				70						75	
Gly	Ala	Glu	Val	Asn	Ala	Leu	Asp	Gly	Tyr	Asn	Arg	Thr	Ala	Leu	
				80				85						90	
His	Tyr	Ala	Ala	Glu	Lys	Asp	Glu	Ala	Cys	Val	Glu	Val	Leu	Leu	
				95				100						105	
Glu	Tyr	Gly	Ala	Asn	Pro	Asn	Ala	Leu	Asp	Gly	Asn	Arg	Asp	Thr	
				110				115						120	
Pro	Leu	His	Trp	Ala	Ala	Phe	Lys	Asn	Asn	Ala	Glu	Cys	Val	Arg	
				125				130						135	
Ala	Leu	Leu	Glu	Ser	Gly	Ala	Ser	Val	Asn	Ala	Leu	Asp	Tyr	Asn	
				140				145						150	

Asn Asp Thr Pro Leu Ser Trp Ala Ala Met Lys Gly Asn Leu Glu
 155 160 165
 Ser Val Ser Ile Leu Leu Asp Tyr Gly Ala Glu Val Arg Val Ile
 170 175 180
 Asn Leu Ile Gly Gln Thr Pro Ile Ser Arg Leu Val Ala Leu Leu
 185 190 195
 Val Arg Gly Leu Gly Thr Glu Lys Glu Asp Ser Cys Phe Glu Leu
 200 205 210
 Leu His Arg Ala Val Gly His Phe Glu Leu Arg Lys Asn Gly Thr
 215 220 225
 Met Pro Arg Glu Val Ala Arg Asp Pro Gln Leu Cys Glu Lys Leu
 230 235 240
 Thr Val Leu Cys Ser Ala Pro Gly Thr Leu Lys Thr Leu Ala Arg
 245 250 255
 Tyr Ala Val Arg Arg Ser Leu Gly Leu Gln Tyr Leu Pro Asp Ala
 260 265 270
 Val Lys Gly Leu Pro Leu Pro Ala Ser Leu Lys Glu Tyr Leu Leu
 275 280 285
 Leu Leu Glu

<210> 2
 <211> 423
 <212> PRT
 <213> Homo sapiens

 <220>
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 <223> Incyte clone 1834242

<400> 2
 Met Lys Leu Thr Pro Arg Thr Ala Gly Arg Ala Trp Ala Gln Ser
 1 5 10 15
 Arg Lys Gly Lys Arg Ser Ser Trp Gly Gly Thr Ala Ala Val Ala
 20 25 30
 Glu Leu Lys Pro Gly Arg Pro His Gln Phe Asp Trp Lys Ser Ser
 35 40 45
 Cys Glu Thr Trp Ser Val Ala Phe Ser Pro Asp Gly Ser Trp Phe
 50 55 60
 Ala Trp Ser Gln Gly His Cys Ile Val Lys Leu Ile Pro Trp Pro
 65 70 75
 Leu Glu Glu Gln Phe Ile Pro Lys Gly Phe Glu Ala Lys Ser Arg
 80 85 90
 Ser Ser Lys Asn Glu Thr Lys Gly Arg Gly Ser Pro Lys Glu Lys
 95 100 105
 Thr Leu Asp Cys Gly Gln Ile Val Trp Gly Leu Ala Phe Ser Pro
 110 115 120
 Trp Pro Ser Pro Pro Ser Arg Lys Leu Trp Ala Arg His His Pro
 125 130 135
 Gln Val Pro Asp Val Ser Cys Leu Val Leu Ala Thr Gly Leu Asn
 140 145 150
 Asp Gly Gln Ile Lys Ile Trp Glu Val Gln Thr Gly Leu Leu Leu
 155 160 165
 Leu Asn Leu Ser Gly His Gln Asp Val Val Arg Asp Leu Ser Phe
 170 175 180

Thr Pro Ser Gly Ser Leu Ile Leu Val Ser Ala Ser Arg Asp Lys
 185 190 195
 Thr Leu Arg Ile Trp Asp Leu Asn Lys His Gly Lys Gln Ile Gln
 200 205 210
 Val Leu Ser Gly His Leu Gln Trp Val Tyr Cys Cys Ser Ile Ser
 215 220 225
 Pro Asp Cys Ser Met Leu Cys Ser Ala Ala Gly Glu Lys Ser Val
 230 235 240
 Phe Leu Trp Ser Met Arg Ser Tyr Thr Leu Ile Arg Lys Leu Glu
 245 250 255
 Gly His Gln Ser Ser Val Val Ser Cys Asp Phe Ser Pro Asp Ser
 260 265 270
 Ala Leu Leu Val Thr Ala Ser Tyr Asp Thr Asn Val Ile Met Trp
 275 280 285
 Asp Pro Tyr Thr Gly Glu Arg Leu Arg Ser Leu His His Thr Gln
 290 295 300
 Val Asp Pro Ala Met Asp Asp Ser Asp Val His Ile Ser Ser Leu
 305 310 315
 Arg Ser Val Cys Phe Ser Pro Glu Gly Leu Tyr Leu Ala Thr Val
 320 325 330
 Ala Asp Asp Arg Leu Leu Arg Ile Trp Ala Leu Glu Leu Lys Thr
 335 340 345
 Pro Ile Ala Phe Ala Pro Met Thr Asn Gly Leu Cys Cys Thr Phe
 350 355 360
 Phe Pro His Gly Gly Val Ile Ala Thr Gly Thr Arg Asp Gly His
 365 370 375
 Val Gln Phe Trp Thr Ala Pro Arg Val Leu Ser Ser Leu Lys His
 380 385 390
 Leu Cys Arg Lys Ala Leu Arg Ser Phe Leu Thr Thr Tyr Gln Val
 395 400 405
 Leu Ala Leu Pro Ile Pro Lys Lys Met Lys Glu Phe Leu Thr Tyr
 410 415 420
 Arg Thr Phe

<210> 3
 <211> 349
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte clone 1849725

<400> 3
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 1 5 10 15
 Pro Ala Leu Leu Glu Ser Pro Arg Pro Glu Gly Gly Glu Glu Pro
 20 25 30
 Pro Arg Pro Ser Pro Glu Glu Thr Gln Gln Cys Lys Phe Asp Gly
 35 40 45
 Gln Glu Thr Lys Gly Ser Lys Phe Ile Thr Ser Ser Ala Ser Asp
 50 55 60
 Phe Ser Asp Pro Val Tyr Lys Glu Ile Ala Ile Thr Asn Gly Cys
 65 70 75
 Ile Asn Arg Met Ser Lys Glu Glu Leu Arg Ala Lys Leu Ser Glu

80 85 90
 Phe Lys Leu Glu Thr Arg Gly Val Lys Asp Val Leu Lys Lys Arg
 95 100 105
 Leu Lys Asn Tyr Tyr Lys Lys Gln Lys Leu Met Leu Lys Glu Ser
 110 115 120
 Asn Phe Ala Asp Ser Tyr Tyr Asp Tyr Ile Cys Ile Ile Asp Phe
 125 130 135
 Glu Ala Thr Cys Glu Glu Gly Asn Pro Pro Glu Phe Val His Glu
 140 145 150
 Ile Ile Glu Phe Pro Val Val Leu Leu Asn Thr His Thr Leu Glu
 155 160 165
 Ile Glu Asp Thr Phe Gln Gln Tyr Val Arg Pro Glu Ile Asn Thr
 170 175 180
 Gln Leu Ser Asp Phe Cys Ile Ser Leu Thr Gly Ile Thr Gln Asp
 185 190 195
 Gln Val Asp Arg Ala Asp Thr Phe Pro Gln Val Leu Lys Lys Val
 200 205 210
 Ile Asp Trp Met Lys Leu Lys Glu Leu Gly Thr Lys Tyr Lys Tyr
 215 220 225
 Ser Leu Leu Thr Asp Gly Ser Trp Asp Met Ser Lys Phe Leu Asn
 230 235 240
 Ile Gln Cys Gln Leu Ser Arg Leu Lys Tyr Pro Pro Phe Ala Lys
 245 250 255
 Lys Trp Ile Asn Ile Arg Lys Ser Tyr Gly Asn Phe Tyr Lys Val
 260 265 270
 Pro Arg Ser Gln Thr Lys Leu Thr Ile Met Leu Glu Lys Leu Gly
 275 280 285
 Met Asp Tyr Asp Gly Arg Pro His Cys Gly Leu Asp Asp Ser Lys
 290 295 300
 Asn Ile Ala Arg Ile Ala Val Arg Met Gln Gln Asp Gly Cys Glu
 305 310 315
 Leu Arg Ile Asn Glu Lys Met His Ala Gly Gln Leu Met Ser Val
 320 325 330
 Ser Ser Ser Leu Pro Ile Glu Gly Thr Pro Pro Pro Gln Met Pro
 335 340 345
 His Phe Arg Lys

<210> 4

<211> 355

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte clone 2547840

<400> 4

Met Ala Arg Arg Pro Arg Asn Ser Arg Ala Trp His Phe Val Leu
 1 5 10 15
 Ser Ala Ala Arg Arg Asp Ala Asp Ala Arg Ala Val Ala Leu Ala
 20 25 30
 Gly Ser Thr Asn Trp Gly Tyr Asp Ser Asp Gly Gln His Ser Asp
 35 40 45
 Ser Asp Ser Asp Pro Glu Tyr Ser Thr Leu Pro Pro Ser Ile Pro

50 55 60
 Ser Ala Val Pro Val Thr Gly Glu Ser Phe Cys Asp Cys Ala Gly
 65 70 75
 Gln Ser Glu Ala Ser Phe Cys Ser Ser Leu His Ser Ala His Arg
 80 85 90
 Gly Arg Asp Cys Arg Cys Gly Glu Glu Asp Glu Tyr Phe Asp Trp
 95 100 105
 Val Trp Asp Asp Leu Asn Lys Ser Ser Ala Thr Leu Leu Ser Cys
 110 115 120
 Asp Asn Arg Lys Val Ser Phe His Met Glu Tyr Ser Cys Gly Thr
 125 130 135
 Ala Ala Ile Arg Gly Thr Lys Glu Leu Gly Glu Gln His Phe
 140 145 150
 Trp Glu Ile Lys Met Thr Ser Pro Val Tyr Gly Thr Asp Met Met
 155 160 165
 Val Gly Ile Gly Thr Ser Asp Val Asp Leu Asp Lys Tyr Arg His
 170 175 180
 Thr Phe Cys Ser Leu Leu Gly Arg Asp Glu Asp Ser Trp Gly Leu
 185 190 195
 Ser Tyr Thr Gly Leu Leu His His Lys Gly Asp Lys Thr Ser Phe
 200 205 210
 Ser Ser Arg Phe Gly Gln Gly Ser Ile Ile Gly Val His Leu Asp
 215 220 225
 Thr Trp His Gly Thr Leu Thr Phe Phe Lys Asn Arg Lys Cys Ile
 230 235 240
 Gly Val Ala Ala Thr Lys Leu Gln Asn Lys Arg Phe Tyr Pro Met
 245 250 255
 Val Cys Ser Thr Ala Ala Arg Ser Ser Met Lys Val Thr Arg Ser
 260 265 270
 Cys Ala Ser Ala Thr Ser Leu Gln Tyr Leu Cys Cys His Arg Leu
 275 280 285
 Arg Gln Leu Arg Pro Asp Ser Gly Asp Thr Leu Glu Gly Leu Pro
 290 295 300
 Leu Pro Pro Gly Leu Lys Gln Val Leu His Asn Lys Leu Gly Trp
 305 310 315
 Val Leu Ser Met Ser Cys Ser Arg Arg Lys Ala Pro Val Ser Asp
 320 325 330
 Pro Gln Ala Ala Thr Ser Ala His Pro Ser Ser Arg Glu Pro Arg
 335 340 345
 Pro Cys Gln Arg Lys Arg Cys Arg Arg Thr
 350 355

<210> 5

<211> 421

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte clone 3071986

<400> 5

Met Ala Ser Phe Pro Pro Arg Val Asn Glu Lys Glu Ile Val Arg

1

5

10

15

Leu Arg Thr Ile Gly Glu Leu Leu Ala Pro Ala Ala Pro Phe Asp
 20 25 30
 Lys Lys Cys Gly Arg Glu Asn Trp Thr Val Ala Phe Ala Pro Asp
 35 40 45
 Gly Ser Tyr Phe Ala Trp Ser Gln Gly His Arg Thr Val Lys Leu
 50 55 60
 Val Pro Trp Ser Gln Cys Leu Gln Asn Phe Leu Leu His Gly Thr
 65 70 75
 Lys Asn Val Thr Asn Ser Ser Ser Leu Arg Leu Pro Arg Gln Asn
 80 85 90
 Ser Asp Gly Gly Gln Lys Asn Lys Pro Arg Glu His Ile Ile Asp
 95 100 105
 Cys Gly Asp Ile Val Trp Ser Leu Ala Phe Gly Ser Ser Val Pro
 110 115 120
 Glu Lys Gln Ser Arg Cys Val Asn Ile Glu Trp His Arg Phe Arg
 125 130 135
 Phe Gly Gln Asp Gln Leu Leu Leu Ala Thr Gly Leu Asn Asn Gly
 140 145 150
 Arg Ile Lys Ile Trp Asp Val Tyr Thr Gly Lys Leu Leu Leu Asn
 155 160 165
 Leu Val Asp His Thr Glu Val Val Arg Asp Leu Thr Phe Ala Pro
 170 175 180
 Asp Gly Ser Leu Ile Leu Val Ser Ala Ser Arg Asp Lys Thr Leu
 185 190 195
 Arg Val Trp Asp Leu Lys Asp Asp Gly Asn Met Met Lys Val Leu
 200 205 210
 Arg Gly His Gln Asn Trp Val Tyr Ser Cys Ala Phe Ser Pro Asp
 215 220 225
 Ser Ser Met Leu Cys Ser Val Gly Ala Ser Lys Ala Val Phe Leu
 230 235 240
 Trp Asn Met Asp Lys Tyr Thr Met Ile Arg Lys Leu Glu Gly His
 245 250 255
 His His Asp Val Val Ala Cys Asp Phe Ser Pro Asp Gly Ala Leu
 260 265 270
 Leu Ala Thr Ala Ser Tyr Asp Thr Arg Val Tyr Ile Trp Asp Pro
 275 280 285
 His Asn Gly Asp Ile Leu Met Glu Phe Gly His Leu Phe Pro Pro
 290 295 300
 Pro Thr Pro Ile Phe Ala Gly Gly Ala Asn Asp Arg Trp Val Arg
 305 310 315
 Ser Val Ser Phe Ser His Asp Gly Leu His Val Ala Ser Leu Ala
 320 325 330
 Asp Asp Lys Met Val Arg Phe Trp Arg Ile Asp Glu Asp Tyr Pro
 335 340 345
 Val Gln Val Ala Pro Leu Ser Asn Gly Leu Cys Cys Ala Phe Ser
 350 355 360
 Thr Asp Gly Ser Val Leu Ala Ala Gly Thr His Asp Gly Ser Val
 365 370 375
 Tyr Phe Trp Ala Thr Pro Arg Gln Val Pro Ser Leu Gln His Leu
 380 385 390
 Cys Arg Met Ser Ile Arg Arg Val Met Pro Thr Gln Glu Val Gln
 395 400 405
 Glu Leu Pro Ile Pro Ser Lys Leu Leu Glu Phe Leu Ser Tyr Arg
 410 415 420
 Ile

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<210> 6
<211> 278
<212> PRT
<213> Homo sapiens
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<220>  
<221> misc_feature  
<223> Incyte clone 3484619
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<211> 281
<212> PRT
<213> Homo sapiens
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<220>

<221> misc_feature

<223> Incyte clone 1275743

<400> 7

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Met Gly Ser Gln Gly Ser Pro Val Lys Ser Tyr Asp Tyr Leu Leu
1          5          10          15
Lys Phe Leu Leu Val Gly Asp Ser Asp Val Gly Lys Gly Glu Ile
20          25          30
Leu Glu Ser Leu Gln Asp Gly Ala Ala Glu Ser Pro Tyr Ala Tyr
35          40          45
Ser Asn Gly Ile Asp Tyr Lys Thr Thr Thr Ile Leu Leu Asp Gly
50          55          60
Arg Arg Val Lys Leu Glu Leu Trp Asp Thr Ser Gly Gln Gly Arg
65          70          75
Phe Cys Thr Ile Phe Arg Ser Tyr Ser Arg Gly Ala Gln Gly Ile
80          85          90
Leu Leu Val Tyr Asp Ile Thr Asn Arg Trp Ser Phe Asp Gly Ile
95          100          105
Asp Arg Trp Ile Lys Glu Ile Asp Glu His Ala Pro Gly Val Pro
110          115          120
Arg Ile Leu Val Gly Asn Arg Leu His Leu Ala Phe Lys Arg Gln
125          130          135
Val Pro Thr Glu Gln Ala Arg Ala Tyr Ala Glu Lys Asn Cys Met
140          145          150
Thr Phe Phe Glu Val Ser Pro Leu Cys Asn Phe Asn Val Ile Glu
155          160          165
Ser Phe Thr Glu Leu Ser Arg Ile Val Leu Met Arg His Gly Met
170          175          180
Glu Lys Ile Trp Arg Pro Asn Arg Val Phe Ser Leu Gln Asp Leu
185          190          195
Cys Cys Arg Ala Ile Val Ser Cys Thr Pro Val His Leu Ile Asp
200          205          210
Lys Leu Pro Leu Pro Val Thr Ile Lys Ser His Leu Lys Ser Phe
215          220          225
Ser Met Ala Asn Gly Met Asn Ala Val Met Met His Gly Arg Ser
230          235          240
Tyr Ser Leu Ala Ser Gly Ala Gly Gly Gly Gly Ser Lys Gly Asn
245          250          255
Ser Leu Lys Arg Ser Lys Ser Ile Arg Pro Pro Gln Ser Pro Pro
260          265          270
Gln Asn Cys Ser Arg Ser Asn Cys Lys Ile Ser
275          280

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<210> 8

<211> 635

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte clone 1722533

<400> 8

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Met Ala Thr Gln Ile Ser Thr Arg Gly Ser Gln Cys Thr Ile Gly
1          5          10          15

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Gln Glu Glu Tyr Ser Leu Tyr Ser Ser Leu Ser Glu Asp Glu Leu
 20 25 30
 Val Gln Met Ala Ile Glu Gln Ser Leu Ala Asp Lys Thr Arg Gly
 35 40 45
 Pro Thr Thr Ala Glu Ala Thr Ala Ser Ala Cys Thr Asn Arg Gln
 50 55 60
 Pro Ala His Phe Tyr Pro Trp Thr Arg Ser Thr Ala Pro Pro Glu
 65 70 75
 Ser Ser Pro Ala Arg Ala Pro Met Gly Leu Phe Gln Gly Val Met
 80 85 90
 Gln Lys Tyr Ser Ser Ser Leu Phe Lys Thr Ser Gln Leu Ala Pro
 95 100 105
 Ala Asp Pro Leu Ile Lys Ala Ile Lys Asp Gly Asp Glu Glu Ala
 110 115 120
 Leu Lys Thr Met Ile Lys Glu Gly Lys Asn Leu Ala Glu Pro Asn
 125 130 135
 Lys Glu Gly Trp Leu Pro Leu His Glu Ala Ala Tyr Tyr Gly Gln
 140 145 150
 Val Gly Cys Leu Lys Val Leu Gln Arg Ala Tyr Pro Gly Thr Ile
 155 160 165
 Asp Gln Arg Thr Leu Gln Glu Glu Thr Ala Val Tyr Leu Ala Thr
 170 175 180
 Cys Arg Gly His Leu Asp Cys Leu Leu Ser Leu Leu Gln Ala Gly
 185 190 195
 Ala Glu Pro Asp Ile Ser Asn Lys Ser Arg Glu Thr Pro Leu Tyr
 200 205 210
 Lys Ala Cys Glu Arg Lys Asn Ala Glu Ala Val Lys Ile Leu Val
 215 220 225
 Gln His Asn Ala Asp Thr Asn His Arg Cys Asn Arg Gly Trp Thr
 230 235 240
 Ala Leu His Glu Ser Val Ser Arg Asn Asp Leu Glu Val Met Gln
 245 250 255
 Ile Leu Val Ser Gly Gly Ala Lys Val Glu Ser Lys Asn Ala Tyr
 260 265 270
 Gly Ile Thr Pro Leu Phe Val Ala Ala Gln Ser Gly Gln Leu Glu
 275 280 285
 Ala Leu Arg Phe Leu Ala Lys Tyr Gly Ala Asp Ile Asn Thr Gln
 290 295 300
 Ala Ser Asp Asn Ala Ser Ala Leu Tyr Glu Ala Cys Lys Asn Glu
 305 310 315
 His Glu Glu Val Val Glu Phe Leu Leu Ser Gln Gly Ala Asp Ala
 320 325 330
 Asn Lys Thr Asn Lys Asp Gly Leu Leu Pro Leu His Ile Ala Ser
 335 340 345
 Lys Lys Gly Asn Tyr Arg Ile Val Gln Met Leu Leu Pro Val Thr
 350 355 360
 Ser Arg Thr Arg Ile Arg Arg Ser Gly Val Ser Pro Leu His Leu
 365 370 375
 Ala Ala Glu Arg Asn His Asp Glu Val Leu Glu Ala Leu Leu Ser
 380 385 390
 Ala Arg Phe Asp Val Asn Thr Pro Leu Ala Pro Glu Arg Ala Arg
 395 400 405
 Leu Tyr Glu Asp Arg Arg Thr Ser Ala Leu Tyr Phe Ala Val Val
 410 415 420
 Asn Asn Asn Val Tyr Ala Thr Glu Leu Leu Leu Gln His Gly Ala
 425 430 435
 Asp Pro Asn Arg Asp Val Ile Ser Pro Leu Leu Val Ala Ile Arg

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440 445 450
 His Gly Cys Leu Arg Thr Met Gln Leu Leu Leu Asp His Gly Ala
 455 460 465
 Asn Ile Asp Ala Tyr Ile Ala Thr His Pro Thr Ala Phe Pro Ala
 470 475 480
 Thr Ile Met Phe Ala Met Lys Cys Leu Ser Leu Leu Lys Phe Leu
 485 490 495
 Met Asp Leu Gly Cys Asp Gly Glu Pro Cys Phe Ser Cys Leu Tyr
 500 505 510
 Gly Asn Gly Pro His Pro Pro Ala Pro Gln Pro Ser Ser Arg Phe
 515 520 525
 Asn Asp Ala Pro Ala Ala Asp Lys Glu Pro Ser Val Val Gln Phe
 530 535 540
 Cys Glu Phe Val Ser Ala Pro Glu Val Ser Arg Trp Ala Gly Pro
 545 550 555
 Ile Ile Asp Val Leu Leu Asp Tyr Val Gly Asn Val Gln Leu Cys
 560 565 570
 Ser Arg Leu Lys Glu His Ile Asp Ser Phe Glu Asp Trp Ala Val
 575 580 585
 Ile Lys Glu Lys Ala Glu Pro Pro Arg Pro Leu Ala His Leu Cys
 590 595 600
 Arg Leu Arg Val Arg Lys Ala Ile Gly Lys Tyr Arg Ile Lys Leu
 605 610 615
 Leu Asp Thr Leu Pro Leu Pro Gly Arg Leu Ile Arg Tyr Leu Lys
 620 625 630
 Tyr Glu Asn Thr Gln
 635

<210> 9

<211> 518

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte clone 1759763

<400> 9

Met Asp Phe Thr Glu Ala Tyr Ala Asp Thr Cys Ser Thr Val Gly
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 Leu Ala Ala Arg Glu Gly Asn Val Lys Val Leu Arg Lys Leu Leu
 20 25 30
 Lys Lys Gly Arg Ser Val Asp Val Ala Asp Asn Arg Gly Trp Met
 35 40 45
 Pro Ile His Glu Ala Ala Tyr His Asn Ser Val Glu Cys Leu Gln
 50 55 60
 Met Leu Ile Asn Ala Asp Ser Ser Glu Asn Tyr Ile Lys Met Lys
 65 70 75
 Thr Phe Glu Gly Phe Cys Ala Leu His Leu Ala Ala Ser Gln Gly
 80 85 90
 His Trp Lys Ile Val Gln Ile Leu Leu Glu Ala Gly Ala Asp Pro
 95 100 105
 Asn Ala Thr Thr Leu Glu Glu Thr Thr Pro Leu Phe Leu Ala Val
 110 115 120

Glu Asn Gly Gln Ile Asp Val Leu Arg Leu Leu Leu Gln His Gly
 125 130 135
 Ala Asn Val Asn Gly Ser His Ser Met Cys Gly Trp Asn Ser Leu
 140 145 150
 His Gln Ala Ser Phe Gln Glu Asn Ala Glu Ile Ile Lys Leu Leu
 155 160 165
 Leu Arg Lys Gly Ala Asn Lys Glu Cys Gln Asp Asp Phe Gly Ile
 170 175 180
 Thr Pro Leu Phe Val Ala Ala Gln Tyr Gly Lys Leu Glu Ser Leu
 185 190 195
 Ser Ile Leu Ile Ser Ser Gly Ala Asn Val Asn Cys Gln Ala Leu
 200 205 210
 Asp Lys Ala Thr Pro Leu Phe Ile Ala Ala Gln Glu Gly His Thr
 215 220 225
 Lys Cys Val Glu Leu Leu Leu Ser Ser Gly Ala Asp Pro Asp Leu
 230 235 240
 Tyr Cys Asn Glu Asp Ser Trp Gln Leu Pro Ile His Ala Ala Ala
 245 250 255
 Gln Met Gly His Thr Lys Ile Leu Asp Leu Leu Ile Pro Leu Thr
 260 265 270
 Asn Arg Ala Cys Asp Thr Gly Leu Asn Lys Val Ser Pro Val Tyr
 275 280 285
 Ser Ala Val Phe Gly Gly His Glu Asp Cys Leu Glu Ile Leu Leu
 290 295 300
 Arg Asn Gly Tyr Ser Pro Asp Ala Gln Ala Cys Leu Val Phe Gly
 305 310 315
 Phe Ser Ser Pro Val Cys Met Ala Phe Gln Lys Asp Cys Glu Phe
 320 325 330
 Phe Gly Ile Val Asn Ile Leu Leu Lys Tyr Gly Ala Gln Ile Asn
 335 340 345
 Glu Leu His Leu Ala Tyr Cys Leu Lys Tyr Glu Lys Phe Ser Ile
 350 355 360
 Phe Arg Tyr Phe Leu Arg Lys Gly Cys Ser Leu Gly Pro Trp Asn
 365 370 375
 His Ile Tyr Glu Phe Val Asn His Ala Ile Lys Ala Gln Ala Lys
 380 385 390
 Tyr Lys Glu Trp Leu Pro His Leu Leu Val Ala Gly Phe Asp Pro
 395 400 405
 Leu Ile Leu Leu Cys Asn Ser Trp Ile Asp Ser Val Ser Ile Asp
 410 415 420
 Thr Leu Ile Phe Thr Leu Glu Phe Thr Asn Trp Lys Thr Leu Ala
 425 430 435
 Pro Ala Val Glu Arg Met Leu Ser Ala Arg Ala Ser Asn Ala Trp
 440 445 450
 Ile Leu Gln Gln His Ile Ala Thr Val Pro Ser Leu Thr His Leu
 455 460 465
 Cys Arg Leu Glu Ile Arg Ser Ser Leu Lys Ser Glu Arg Leu Arg
 470 475 480
 Ser Asp Ser Tyr Ile Ser Gln Leu Pro Leu Pro Arg Ser Leu His
 485 490 495
 Asn Tyr Leu Leu Tyr Glu Asp Val Leu Arg Met Tyr Glu Val Pro
 500 505 510
 Glu Leu Ala Ala Ile Gln Asp Gly
 515

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WO 99/61614

<210> 10
 <211> 1117
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte clone 1758450

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 gcaaatatct tctctcccgag cgcttaatcc gaacaattgc tgccatccgt tcttccccac 180
 atgataatgt agaggacctc atcagagggg gagcagatgt gaactgcact catggccacac 240
 tgaagccctt gcactgtgcc tgtatgggtg cagatgtctga ctgtgtggag ttacttcttg 300
 aaaaaggagc cgaggtgaat gccttggatg ggtataaccg aacagccctc cactatgcag 360
 cagagaaaaga tgaggtctgt gtggaggtcc tattggagta tgggtcaaac cccaatgctt 420
 tggatggcaa cagagatacc ccacttcact gggcagccct taagaacaat gctgagtgtg 480
 tgggggctct cctagagagc gggggcctctg tcaatgccct ggattacaac aatgatacac 540
 cgctcagctg ggtgtccatg aagggaatc ttgagagtgt cagcatcctt ctggattatg 600
 gcgcagaggt cagagtcac c aacctaatag gccagacacc catctcccg cctgggtgctc 660
 tgcagtctag gggacttggg acagagaaaag aggaactctg ctttgagctc ctccacagag 720
 ctgttggaca ctttgaattg aggaaaaaatg gcacccatgc acgagaggtg gccagagacc 780
 cgcagctatg tgaaaaactg actgttctgt gctcagctcc aggaactcta aaaaactcgc 840
 ctgcctatgc cgtgcgcctg agcctgggag tccagtatct ccccgatgca gtgaagggtc 900
 ttccactgcc agcttctctt aggaataacc tgttactttt agaatagcgc gagaagatgt 960
 ttgcaccatc gtgcaggcag ctctgggtga ggttgcctc gcagtaactc ttgtcacaga 1020
 aaacagaaaa acagttgttt cctgagtgtg ggggtataga ttccgaagca acatgtcaca 1080
 acaataacct gcatagcaac tcccctttcc aaacaaa 1117

<210> 11
 <211> 2589
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte clone 1834242

<400> 11
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 agcgctcgag ttgggggagga accgtgtctg tggcggaact caagcccggg cgccccacc 120
 agtttgattg gaagtccagc tgtgaaaacct ggagcgtcgc cttctcccca gatggctctt 180
 ggtttgcttg gtctcaagga cactgcctcg tcaaaactgat cccctggccg ttggaggagc 240
 agttcatccc taaaagggttt gaagcctaaa gcggaagtga caaaaatgag acgaaagggc 300
 gggggcagccc aaaagagaag acgtctggact gtggtcagat tgtctggggg ctggccttca 360
 gcccggtgcc ttcccaccc agcaggaaag ctctgggacg tctgggacgc ccaccacccc caagtgcctc 420
 atgtctcttg cctggttctt gctacgggac tcaacagtgg gcagatcaag acttgggagg 480
 tgcacagagg gctcctgctt ttgaatcttt ccggccacca agatgtcgtg agagatctga 540
 gcttcacacc cagtggcagt ttgattttgg tctccgcgtc acgggataag actcttcgca 600
 ttctgggaact gaataaacac ggtaaacaga tccaagtgtt atcgggccac ctgcagtggt 660
 ttactgtctg ttccatctcc ccagactgca gcatgtgtgt ctctgcagct ggagagaagt 720
 cgggtctttc atggagcatg aggtcctaca cgttaactcg gaagctagag gccatcaaa 780
 cgaggttgtt ctctgtgtac ttctccccgc actctgcccc gctgtgcacg gcttcttacg 840
 ataccaatgt gattatgtgg gacccttaca cgggcgaaa gctgaggtca ctccaccaca 900
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WO 99/61614

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